

AMENDMENTS TO THE SPECIFICATION:

Please cancel the current Abstract and replace it with the following new Abstract provided on a separate sheet.

Kindly replace the paragraph beginning at page 1, line 11, with the following amended paragraph:

Human skin has various types of touch receptors that enable it to distinguish touches ranging from light touches ~~[[up]]~~ to impact forces. ~~per-square-centimeter,~~
~~there~~ There are ~~[[some]]~~ approximately 1500 Meissner's tactile corpuscles and 750 Merkel's tactile disks per square centimeter in the upper part of the skin of the fingertip, and some 75 Pacinian corpuscles and Ruffini endorgans per square centimeter. These four types of touch receptors, with their different time and spatial responses, provide a broad measuring range.